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<110> OKUDA, Akifumi et al.
<120> METHOD OF PRODUCING MACROLIDE COMPOUND
<130> 0425-1185PUS1
<140> US 10/532,412
      2005-04-22
<141>
<150> PCT/JP03/15170
<151>
      2003-11-27
<160> 13
<170> PatentIn version 3.1
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| <220><br><223>                   | NS7 forward primer used to determine nucleotide sequence of 18s rRNA gene | ce    |    |
| <400><br>gaggcaa                 | 4<br>ataa caggtctgtg atg  | • , • | 23 |
| <210><br><211><br><212><br><213> | 21  |       |    |
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| <400><br>ctccgti                 | 7<br>tatt gtccagacac tac  | ÷     | 23 |
| <210><211><211><212><213>        | 8 20 DNA Artificial Seguence  |       |    |

| <220><br><223> NS8 re     | everse pri | mer used to | determine  | nucleotide  | sequence    |      |
|---------------------------|------------|-------------|------------|-------------|-------------|------|
| of 18                     | s rRNA gen | e           | •          |             | •           |      |
| <400> 8 aggcatccac to     | tggacgcct  |             |            |             |             | 20   |
|                           |            |             |            |             |             | •    |
| <210> 9<br><211> 1733     |            |             |            |             |             |      |
| <212> DNA<br><213> Mortie | erella sp. | F-1529      |            |             |             |      |
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| tcattaaatc a              | gttatagtt  | tatttgatta  | taccttacta | cttggataac  | cgtggtaatt  | 120  |
| ctagagctaa t              | acatgctaa  | aaatcccgac  | ttctggaagg | gatgtattta  | ttagataaaa" | 180  |
| aaccaatgcg g              | gcaaccgct  | tttctggtga  | ttcataataa | cttttcgaat  | cgcatggcct  | 240  |
| tgtgctagcg a              | tgtttcatt  | caaatttctg  | ccctatcaac | tttcgatggt  | aggatagagg  | 300  |
| cctaccatgg t              | tttaacggg  | taacggggaa  | ttagggttcg | attccggaga  | gggagcctga  | 360  |
| gaaacggcta c              | cacatccaa  | ggaaggcagc  | aggcgcgcaa | attacccaat  | cccgatacgg  | 420  |
| ggaggtagtg a              | caataaata  | acaatacagg  | gctttatagt | cttgtaattg  | gaatgagtac  | 480  |
| aatttaaatc t              | cttaacgag  | gaacaattgg  | agggcaagtc | tggtgccagc  | agccgcggta  | 540  |
| attccagctc c              | aatagcgta  | tattaaagtt  | gttgcagtta | aaaagctcgt  | agttgaattt  | 600  |
| taggtctggt t              | ggacggtct  | gctctctagg  | gtttgtactg | tcctgaccgg  | gccttacctt  | 660  |
| ctggtgagct g              | tcgtgttgt  | ttactcagtg  | cggcagggaa | ccaggacttt  | tactttgaaa  | 720  |
| aaattagagt g              | tttaaagca  | ggcattcgct  | tgaatacatt | agcatggaat  | aatagaatag  | 780  |
| gactttggtt c              | tattttgtt  | ggtttctagg  | accgaagtaa | tgattaatag  | ggatagttgg  | 840  |
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| cgaaagcatt t              | gccaaggat  | gttttcatta  | atcaagaacg | aaagttaggg  | gatcgaagac  | 960  |
| gatcagatac c              | gtcgtagtc  | ttaaccataa  | actatgccga | ctagggatca  | ggcaaggata  | 1020 |
| ttttgacttg t              | ttggcacct  | tatgagaaat  | caaagtttt  | gggttccggg  | gggagtatgg  | 1080 |
| tcgcaaggct g              | aaacttaaa  | ggaattgacg  | gaagggcacc | accaggagtg  | gagcctgcgg  | 1140 |
| cttaatttga c              | tcaacacgg  | ggaaactcac  | caggtccaga | catagtaagg  | attgacagat  | 1200 |
| tgagagctct t              | tcttgattc  | tatgggtggt  | ggtgcatggc | cgttcttagt, | tggtggagtg  | 1260 |

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| gattgttgat | cgtcaacttc | ttagagggac | tattgactat | tagtcaatgg | aagtttgagg | 1380 |
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| gtcaacgagt | ttacaacctt | ggccggaagg | tctgggtaat | cttttgaaac | ttgatcgtgc | 1500 |
| tggggatagt | ccattgcaat | tattggactt | caacgaggaa | ttcctagtaa | gcgtgagtca | 1560 |
| tcagctcgcg | ttgattacgt | ccctgccctt | tgtacacacc | gcccgtcgct | actaccgatt | 1620 |
| gaatggctta | gtgaggcttt | cggattggac | tttggcagct | ggcaacagca | gctagggact | 1680 |
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|  | gcaaggctga aacttaaagg aattgacgga agggcaccac caggagtgga gcctgcggct          | 1140 |  |  |  |  |  |
|--|--|------|--|--|--|--|--|
|  | taatttgact caacacgggg aaactcacca ggtccagaca tagtaaggat tgacagattg          | 1200 |  |  |  |  |  |
|  | agagetettt ettgatteta tgggtggtgg tgeatggeeg ttettagttg gtggagtgat          | 1260 |  |  |  |  |  |
|  | ttgtctggtt aattccgtta acgaacgaga ccttaacctg ctaaatagtt aggccaacgt          | 1320 |  |  |  |  |  |
|  | ttgttggtcg tcaacttctt agagggacta ttgactatta gtcaatggaa gtttgaggca          | 1380 |  |  |  |  |  |
|  | ataacaggtc tgtgatgccc ttagatgttc tgggccgcac gcgcgctaca ctgatcaagt          | 1440 |  |  |  |  |  |
|  | caacgagttt acaaccttgg ccggaaggtc tgggtaatct tttgaaactt gatcgtgctg          | 1500 |  |  |  |  |  |
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|  | agctcgcgtt gattacgtcc ctgccctttg tacacaccgc ccgtcgctac taccgattga          | 1620 |  |  |  |  |  |
|  | atggcttagt gaggctttcg gattggactt tggcagctgg caacagcagc tagggactaa          | 1680 |  |  |  |  |  |
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|  | <220> <223> 9F primer used in the analysis of the 16S rRNA gene            |      |  |  |  |  |  |
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| <220> <223> 536R primer used in the analysis of the 16S rRNA gene    |  |      |  |  |  |  |  |
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|  |  |      |  |  |  |  |  |

|            | •          |            |            |            |            |       |
|------------|------------|------------|------------|------------|------------|-------|
|            | •          |            |            |            |            |       |
| gtcgcatgac | cggtggtgga | aagtttttcg | gcctgggatg | ggctcgcggc | ctatcagctt | 180   |
| gttggtgggg | tgatggccta | ccaaggcgac | gacgggtagc | cggcctgaga | gggcgaccgg | 240   |
| ccacactggg | actgagacac | ggcccagact | cctacgggag | gcagcagtgg | ggaatattgc | 300   |
| acaatgggcg | gaagcctgat | gcagcgacgc | cgcgtgaggg | atgacggcct | tcgggttgta | 360   |
| aacctctttc | agcagggacg | aagcgtaagt | gacggtacct | gcagaagaag | cgcc       | 414 . |